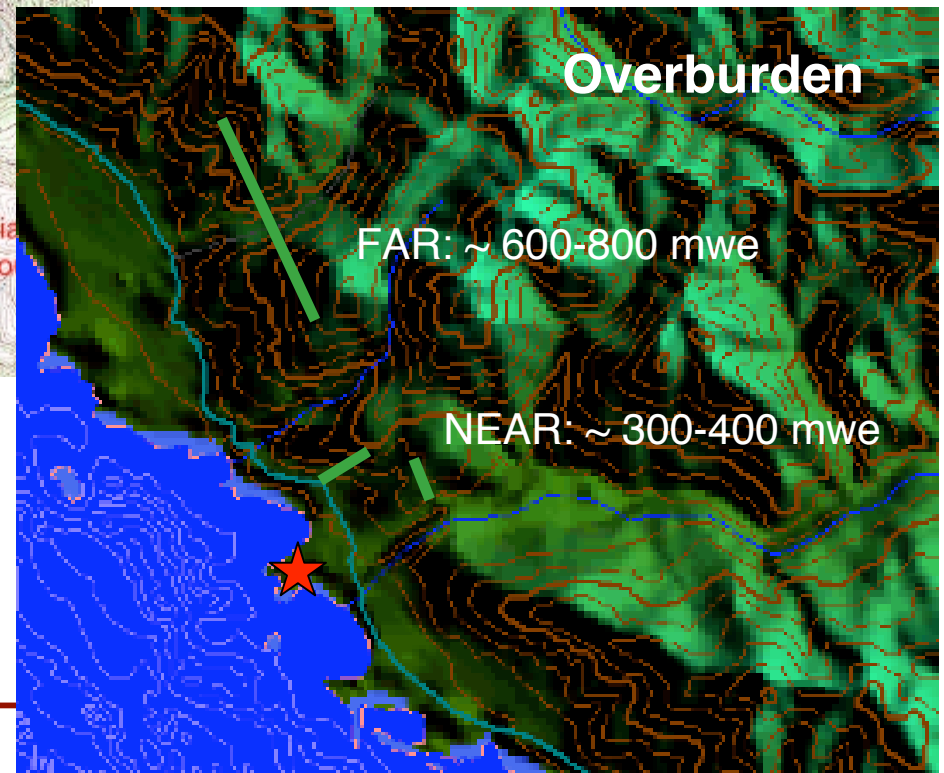


## An Ideal Oscillation Experiment with Variable Baseline?

Possible layout of 2 or 3 detectors at Diablo Canyon

Tunnel excavation required



# Neutrino Detectors at Diablo Canyon - NEAR

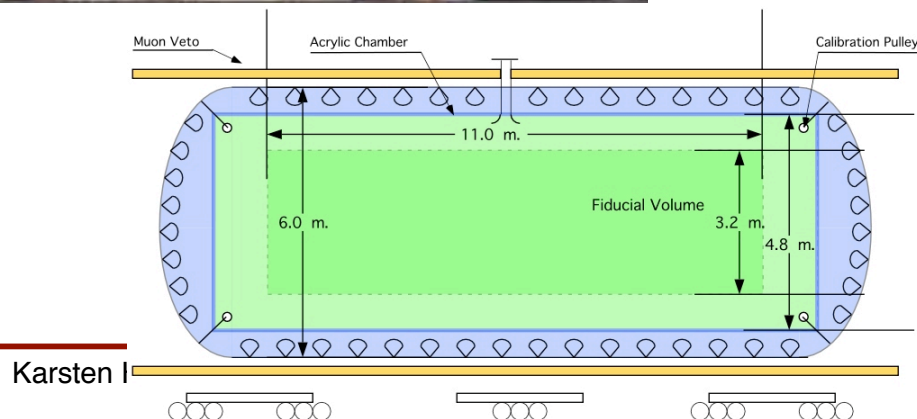
- Space constrained by hills and plant infrastructure
- Best overburden to the North East of power plant
- NEAR distances:
  - 0.5 (inside plant boundary)
  - 1 km (outside)





# Neutrino Detectors at Diablo Canyon - FAR

- 2 neutrino detectors, railroad car size
- in tunnels at (variable) distance of
  - NEAR: 0.5-1 km
  - FAR: 1.5-2.5 km



# Alternative Detector Location

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